

MONTHLY PROJECT REPORT				
ORIGINATOR(S) OC-E/OC-O&T		BUDGET EST. FY. AMOUNT		REPORTING PERIOD 1 February - 28 February 58
<input type="checkbox"/> FUTURE <input type="checkbox"/> ACTIVE <input type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED <input checked="" type="checkbox"/> SUSPENDED				
PROJECT NUMBER E-5021	PRIORITY CLASS II	PRIM. RSPN. EES	PROJECT ENGINEER [REDACTED] 25X1A9a	
PROJECT TITLE DF Development and Replacement Program				
PROJECT REQUIREMENT To provide standard DF equipments of the following types to meet Agency requirements: (a) Semi-Fixed HF, DF. (b) Portable HF, DF. (c) Portable VHF, DF. (d) Close range, body type HF, DF.				
PROJECT DESCRIPTION Investigate military, FCC, and commercial developments in the field of DF. Compile a report on the latest development, including cost, availability and specification and recommend equipments for standardization. Should the investigation be unfruitful, prepare specifications for the development and manufacture of equipments to meet Communications requirements.				
APPROVAL DATE March 1957	APPROVED /WAB/ /JJK/	STARTING DATE March 1957	COMPLETION DATE	
Information obtained from the results of the investigation on Portable HF and VHF Direction Finding equipments was compiled into a report outlining findings and recommendations. This report will be distributed to the interested parties. This project now will be suspended until further information becomes available on equipments under development.				

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ORIGINATOR(S) OC-E		BUDGET EST. FY. AMOUNT	REPORTING PERIOD 1 - 28 February 1958
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PROJECT NUMBER E-5034	PRIORITY CLASS I	PRIM. RSPN. EES	PROJECT ENGINEER [REDACTED] 25X1A9a
PROJECT TITLE Development of 8" Tape Reel for AFSAM-7			
PROJECT REQUIREMENT Design a tape reel to provide longer running time than is now available with 4" tape reel			
PROJECT DESCRIPTION <p>The design characteristics to include:</p> <p>A. Maximum diameter reel (8").</p> <p>B. Ease of mounting</p> <p>C. Reel mounted in AFSAM-7 carrying case.</p>			
APPROVAL DATE 1 October 1956	APPROVED [REDACTED]	STARTING DATE 8 October 1956	COMPLETION DATE
<p>The R&D Lab. has completed the prototype model and now is in the process of fabricating the required units.</p> <p>Delivery of the completed units is expected the week of 3 March 1958.</p>			

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ORIGINATOR(S) OC-E		BUDGET EST. FY. AMOUNT	REPORTING PERIOD 1 February - 28 February
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PROJECT NUMBER E-5037	PRIORITY CLASS II	PRIM. RSPN. FES	PROJECT ENGINEER [REDACTED] 25X1A9a
PROJECT TITLE <u>Technical Bulletins</u>			
PROJECT REQUIREMENT To keep the field supplied with current technical information pertinent to general operation.			
PROJECT DESCRIPTION Scan technical literature to determine and select items for field distribution, determine distribution category, reproduce required number of copies, prepare cover letter, arrange approval and coordination, and forward to appropriate areas.			
APPROVAL DATE	APPROVED AJW /s/ JJK /s/	STARTING DATE 2 February 1956	COMPLETION DATE
<p>Technical Bulletin No. 21 on "Standardization of Commonly Used Antennas and Transmission Lines" has been delayed, but should be ready for issue during the next reporting period.</p> <p>Technical Bulletin No. 22 "Materials and Methods for Checking VFC Transmitter and Receiver Tuned Circuits" is now being coordinated.</p> <p>Technical Bulletin No. 23 "TAC-1 Test Results and Tuning Instruction" is also being coordinated.</p> <p>The bulletin on the Sloping Vee Antenna is being delayed pending receipt of an AACS report which may contain additional pertinent information on this type antenna.</p>			

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MONTHLY PROJECT REPORT			
ORIGINATOR(S) OC-E		BUDGET EST. FY. 57 AMOUNT \$14,500	REPORTING PERIOD 1 - 28 February 1958
<input type="checkbox"/> FUTURE <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED <input type="checkbox"/> IN PRINCIPLE			
PROJECT NUMBER E-5001	PRIORITY CLASS I	PRIM. RESPN. EES	PROJECT ENGINEER [REDACTED] 25X1A9a
PROJECT TITLE RT-4 Transmitter Repackaging			
PROJECT REQUIREMENT Improve the reliability and operation features of the RT-4 Transmitter and package it with a Portable Master Oscillator in a rack for base station use.			
PROJECT DESCRIPTION The RT-4 Transmitter was originally made for small station intermittent use. Operational use has revealed some technical discrepancies and the transmitter has been placed "on the shelf." This project will be to correct these discrepancies and to mount the transmitter and PMO in the 48 inch rack for base station use. The task of redesign will be given to a consulting firm. A second firm will be given the task of compiling test data on a number of RT-4 Transmitters currently undergoing blower modification. This data will then be given to the first consulting firm.			
APPROVAL DATE 28 February 1956	APPROVED /NAB/ /JJK/	STARTING DATE 1 March 1956	COMPLETION DATE
<p>A memorandum was sent to the Office of Logistics requesting them to allow the contractor increased funds of \$1,921.20 accrued by an underestimation in the cost of the engineering work performed.</p> <p>The six RT-4A transmitters (one being held for the TVI Study) have been received from the contractor, inspected at the T&I Shop, and are being placed in stock. It is planned to send five of these transmitters overseas and request an Analysis and Appraisal by the R&D Lab. on the sixth. O&T has been contacted regarding their preference of which base station to send the transmitters and a request for an Analysis and Appraisal has been forwarded to the R&D Branch.</p> <p>Summarizing, the test results on these modified transmitters indicate a reliability that was not available before modification. The power output on the low frequencies is at least 500 watts with 600 watts available in the 3 to 4 megacycle range. On the low end of band IV, 17 megacycles, the efficiency drops off and on certain transmitters, only 200-300 watts are available. To increase the efficiency would involve major re-design on the various circuits. A full report of the results of these tests will be compiled and disseminated.</p> <p>Our receiving and approving the modified transmitters from [REDACTED] concludes Task Order #8. The Office of Logistics will be informed of such a termination. A final Inspection Report was sent to the Procurement Division/OL.</p>			

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MONTHLY PROJECT REPORT			
ORIGINATOR(S) OC-E	BUDGET EST. FY. AMOUNT	REPORTING PERIOD 1 - 28 February 1958	
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PROJECT NUMBER E-5045	PRIORITY CLASS I	PRIM. RSPN. SDS	PROJECT ENGINEER [REDACTED] 25X1A9a
PROJECT TITLE Transmitter to Antenna Matching Equipment and Information			
PROJECT REQUIREMENT This is a study to determine what equipment should be sent to the major base stations to provide impedance matching information.			
PROJECT DESCRIPTION <p>This study is to investigate what equipment will be sent, how to use it, typical readings and results on similar transmitter/antenna combinations, and how to and reasons for lowering the standing wave ratio.</p> <p>This study will result in the publication of a technical bulletin covering these points.</p>			
APPROVAL DATE January 1956	APPROVED WAB /s/ JJK /s/	STARTING DATE January 1956	COMPLETION DATE
<p>Technical Bulletin No. 23 "TAC-1 Test Results and Tuning Instructions" has been completed and turned over to PES for reproduction.</p> <p>The determination of a dummy load and a suitable standing wave ratio detector for use with the TAC-1 is being studied by EES.</p> <p>The completion of a technical bulletin outlining the use of the trolley meter and stubbing techniques has been delayed due to the priority of other projects.</p>			

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<input type="checkbox"/> FUTURE <input type="checkbox"/> ACTIVE <input checked="" type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED <input type="checkbox"/> SUSPENDED			
PROJECT NUMBER E-5055	PRIORITY CLASS II	PRIM. RSPN. SDS	PROJECT ENGINEER [REDACTED] 25X1A9a
PROJECT TITLE Test Equipment Standardization			
PROJECT REQUIREMENT Compile a list of standard test equipment for the Office of Communications' use.			
PROJECT DESCRIPTION Investigation has shown that some of the test equipment for use and stock is outdated and in many cases types of equipment are duplicated. This project will be to review OC support requirements and prepare a list of standard test equipment to support these requirements. This list will be used for procurement and stocking purposes.			
APPROVAL DATE 29 October 1956	APPROVED WAB /s/ JJR /s/	STARTING DATE February 1957	COMPLETION DATE February 1958
<p>A conference of interested personnel in OC-E was held to review and standardize Agency test equipment. A list outlining the classification of the test equipment is being prepared and will be forwarded to OC-E/MSB.</p> <p>The Department of Defense has established a national center at New York University for monitoring research and development on electronic test equipment. The center will study test equipment research and development throughout the electronics industry and the armed services. Additional information regarding our use of the center's services is being obtained from the Department of Defense.</p> <p>This project is now completed. However, SDS will continue to monitor research and development efforts in the field.</p>			

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MONTHLY PROJECT REPORT			
ORIGINATOR(S) OC-P		BUDGET EST. FY. AMOUNT	REPORTING PERIOD 1 - 28 February 1958
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PROJECT NUMBER E-5060	PRIORITY CLASS I	PRIM. RSPN. SDS	PROJECT ENGINEER [REDACTED] 25X1A9a
PROJECT TITLE Strategic Reserve Program			
PROJECT REQUIREMENT To provide readily available transportable type package radio stations at convenient locations throughout the world for immediate installation and operational use in the event of an emergency.			
PROJECT DESCRIPTION To provide bills of materials for 2, 5, 10, 13, 15, and 20 position transportable type package radio stations with suggested floor plan layouts and standard wiring diagrams to provide efficient equipment utilization.			
APPROVAL DATE September 1953	APPROVED WAB /s/ JJK /s/	STARTING DATE September 1953	COMPLETION DATE
<p>The prints of the installation drawings have not yet been received from Reproduction. Revision of the brochure for this program has been delayed due to the priority of other projects.</p>			

MONTHLY PROJECT REPORT			
ORIGINATOR(S) OC-S	BUDGET EST. FY. AMOUNT	REPORTING PERIOD 1 - 28 February 1958	
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PROJECT NUMBER E-5071	PRIORITY CLASS I	PRIM. RSPN. EES	PROJECT ENGINEER [REDACTED] 25X1A9a
PROJECT TITLE Tiny-Tot Electro-Magnetic Radiation Reduction			
PROJECT REQUIREMENT Reduction of the radio-magnetic radiation to a maximum of 3 feet.			
PROJECT DESCRIPTION <p>The present Tiny-Tot has detectable compromising electro-magnetic radiation up to 15 feet from the unit. Determine the radiation reduction by: shielding the magnets; reductions of magnet current; use of dummy magnets wired in opposition to the normal field; and use of external masking electro-magnetic field. Radiation recordings to be made on an oscilloscope for comparative reduction by individual and combinations of methods.</p>			
APPROVAL DATE 29 October 1956	APPROVED WAB/JJK	STARTING DATE 29 October 1956	COMPLETION DATE
<p>The Tiny Tot circuitry has again been modified and now is transistorized. A transistor is used so that all mixing is accomplished at a very low level and therefore the wiring does not tend to radiate transients. The only source that can radiate now is the selector magnets themselves.</p> <p>A complete check of the frequency spectrum between 15 kc. and 1000 mc. has been completed and shows an inductive maximum of 5 micro-volts per meter at 18 inches and drops to below noise level at 24 inches. The electro-magnetic field is completely free of transient at 18 inches. The TD and keyboard intelligence outputs are both the same as stated above.</p> <p>When the keyboard is in operation a single pulse of a quite high level, both inductive and electro-magnetic, exist. This single pulse originates in the operation of the clutch release magnet circuit and is not of a compromising nature. Although this pulse is not compromising work will be done to eliminate it also. Elimination of this pulse would facilitate the interference checking of Tiny Tot equipment in the field and very possibly help to allow the use of more simplified interference test equipment.</p> <p>Trouble was encountered with transistor failure after about 5 days or less use. It is believed that a slight modification which has been made has eliminated this problem. Reliability tests are now being made to insure that the equipment will operate over long periods of time. It is suggested that before mass modifications are made that two or three units be placed in use</p> <p style="text-align: right;">(Continued)</p>			

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MONTHLY PROJECT REPORT

PROJECT NUMBER	PRIM. RSPN.	REPORTING PERIOD
E-5071 25X1A9a	[REDACTED]	1 - 28 February 1958

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in the Signal Center where a high volume of traffic is handled and where the units can undergo a thorough operational durability test.

The R&D Lab. Engineers have given a great amount of help on licking the radiation problem and deserve all the credit for the circuit now in use.

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ORIGINATOR(S) OC-E		BUDGET EST. FY. AMOUNT		REPORTING PERIOD 1 - 28 February 1958
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PROJECT NUMBER E-5076	PRIORITY CLASS II	PRIM. RSPN. SDS	PROJECT ENGINEER [REDACTED] 25X1A9a	
PROJECT TITLE Double Side Band Suppressed Carrier Communications System				
PROJECT REQUIREMENT Evaluation of newly designed communications equipment to keep abreast of the latest developments and to determine the feasibility of adapting this system for OC requirements.				
PROJECT DESCRIPTION This system consists of a transmitter Model AN/FRT-30 and receiver type AN/FRR-48 using a double side band suppressed carrier which has the advantage of not utilizing power for transmitting a carrier, similar to single side band suppressed carrier transmission with the advantages of the gain realized by transmitting both side bands. This evaluation will consist of operating a line between [REDACTED] and OC-E to check the operation and technical characteristics of this system.				
APPROVAL DATE 10 October 1956	APPROVED WAB /s/ JJK /s/	STARTING DATE 11 October 1956	COMPLETION DATE	
<p>This project will continue to be active due to further USAF investigations now being conducted. A Memorandum for the Record is attached regarding the status of the development program conducted by [REDACTED] 25X1A5a1 concerning the Double Sideband Suppressed Carrier System.</p> <p>At the present time, a test circuit has been installed between [REDACTED] 25X1A and [REDACTED] 25X1A. A performance comparison will be made between DSB emission and other types of emissions with an error count check to determine the circuit reliability of each mode. It is planned to monitor the results of these tests.</p>				

25 February 1958

MEMORANDUM FOR THE RECORD

25X1A9a FROM: [REDACTED]

SUBJECT: Double Sideband Suppressed Carrier Communications System
(AN/FRT-30 Transmitter and AN/FRR-48 Receiver)

25X1A5a1 1. A telephone discussion was held with Mr. [REDACTED] Long Distance Communications Branch, [REDACTED] on 24 February 1958, regarding the current status of the Double Sideband Suppressed Carrier (DSB) communications system development program. The requirement for the DSB system was initiated by the Air Force to improve circuit reliability primarily on long distance, low power (100 watt), air to ground and ground to air voice circuits, however, the equipment was also to be capable of use with data type transmissions. The present use of conventional AM transmitting and receiving techniques does not permit the full capabilities of the modulation process employed to be realized and 25X1A5a1 the [REDACTED] was awarded a contract for the development of a DSB system. Reception of the double sideband suppressed carrier signal is accomplished by an automatic frequency control circuit in the receiver which does not depend on the existence of a transmitted carrier. The AFC circuit requires only the two AM side bands for frequency control of the locally inserted carrier. The AFC circuit also tends to control not only the frequency of the reinserted carrier, but also the phase of the reinserted carrier in such a manner as to minimize distortion which would result from phase shift between the received carrier and the sidebands.

2. The equipment designed under this program resulted in the development of the AN/FRT-30 transmitter and the AN/FRR-48 receiver. As a result of an evaluation program conducted by [REDACTED] 25X1A5a1 stated the AN/FRR-48 receiving equipment is not suitable for use on an operational basis and future development work on this receiver had been abandoned due to numerous electronic and mechanical difficulties. Development work has not been terminated on a DSB system for long distance communications and at present a test circuit has been set up between [REDACTED] to 25X1A determine the relative efficiency of DSB emission on an error count basis. The "new" equipment being used on this test circuit consists of a modified AN/FRT-30 transmitter and a strip type laboratory built synchronous receiver. The modifications to the transmitter consisted of replacing a number of component parts with parts of higher voltage ratings and making no major design changes. The tests will be concluded in approximately six weeks and further information will be available as to the results at that time.

SUBJECT: Double Sideband Suppressed Carrier Communications System
(AN/FRT-30 Transmitter and AN/FRR-48 Receiver)

25X1A5a1

3. [REDACTED] is also currently evaluating a Synchronous Detection Adaptor. This receiving system design utilizes the I.F. output of a conventional superhetrodyne which is fed into the input of the adaptor. The local oscillator phase control network of the adaptor rejects the 455 Kc "carrier" and a new carrier is reinserted by the adaptor deriving the correct phase from the upper and lower sideband relationship. The signal is then demodulated and amplified as in the AN/FRR-48 receiver. This modified DSB system corrects selective fading and phase distortion of one sideband relative to the other, as usually encountered on long distance multipath circuits, however, it also has the disadvantages associated with superhetrodyne receivers such as front end instability and spurious or image responses.

25X1A5a1

4. At the present time [REDACTED] has recommended Single Sideband equipment be used on voice circuits for air to ground and ground to air communications, however, a development program is contemplated and is being budgeted for in the design of DSB system for the UHF spectrum.

25X1A

5. It is planned to monitor the results of the tests conducted on the circuit [REDACTED] and report on the circuit reliability of the DSB system when further information is available.

[REDACTED]

25X1A9a

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<input type="checkbox"/> FUTURE <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED <input type="checkbox"/> SUSPENDED			
PROJECT NUMBER E-5080	PRIORITY CLASS I	PRIM. RSPN. SDS	PROJECT ENGINEER [REDACTED] 25X1A9a
PROJECT TITLE Mobile Message Center			
PROJECT REQUIREMENT A Mobile Message Center is required as a companion unit to the 2-ST radio facility for processing staff traffic.			
PROJECT DESCRIPTION <p>The project will require the design of a facility with the following functions</p> <ul style="list-style-type: none"> A. Supervisors or C. W. Position B. 2 Manual OTP Positions C. 1 RTTY Position or utilized for duplex land line operation D. 1 AFSAM-7 Position E. 1 Tiny Tot Position F. 1 Reproduction Unit <p>It is planned to house the Message Center in a modified two-wheel Craig Van approximately twelve feet long, ten feet high, and eight feet wide, towed by a two and one-half ton truck.</p>			
APPROVAL DATE August 1956	APPROVED WAB /s/ JJK /s/	STARTING DATE August 1956	COMPLETION DATE
<p>As part of the evaluation of the VC-1, enviromental tests were made at [REDACTED] Present at these tests were Messrs. [REDACTED] Signal Center. 25X1A9a</p> <p>The van was subjected to tests from -20 F to +120° F over a period of two days and all data was tabulated for inclusion in the final evaluation report.</p> <p>During the tests, members of the evaluating team entered the chamber on numerous occasions to check the condition of the van and equipment.</p> <p>Also, during this reporting period arrangements were made to verify the specification that calls for loading the VC-1 in a C-119 Aircraft. This phase of the test, along with producing a movie depicting this action, was arranged for Andrews Air Force Base.</p> <p>Further arrangements are being made by O&T and OC-E to perform the final phase of the evaluation [REDACTED] during the next reporting period.</p>			

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MONTHLY PROJECT REPORT

ORIGINATOR(S) OC-E		BUDGET EST. FY. AMOUNT		REPORTING PERIOD 1 - 28 February 1958	
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PROJECT NUMBER E-5085		PRIORITY CLASS I		PRIM. RSPN. SDS	
PROJECT TITLE				PROJECT ENGINEER 25X1A9a	
<p>Communications Systems Planning for New Headquarters Building</p>					
<p>PROJECT REQUIREMENT</p> <p>To determine the types of Communications systems, and the quantities of equipment that will be required for installation in the new Headquarters Building to meet Agency communications requirements.</p>					
<p>PROJECT DESCRIPTION</p> <p>To investigate and compile information on new communications systems and equipment. To meet regularly with representatives of the Message Center Staff, Operations, Engineering, and Security Divisions, and the OC member of the New Building Planning Staff to discuss communications requirements for the new building. To prepare a list of the equipment that will be required and suggested floor plans and equipment layouts defining spare requirements.</p>					
APPROVAL DATE		APPROVED <u>WAB /s/</u> <u>JJK /s/</u>		STARTING DATE	
				COMPLETION DATE	

A list of teletype equipment that will be required for the new building signal center has been prepared based on the equipment layout prepared by the Signal Center Staff. A copy of this list has been forwarded to the Signal Center to be used in the preparation of the FY-59-60 Facilities Program Review. The equipment layout as prepared by the Signal Center would require the expenditure of funds in the neighborhood of \$395,000.00 for additional equipment.

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MONTHLY PROJECT REPORT

ORIGINATOR(S) OC-E		BUDGET EST. FY. AMOUNT		REPORTING PERIOD 1 - 28 February 1958	
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PROJECT NUMBER E-5038	PRIORITY CLASS I	PRIM. RSPN. EES	PROJECT ENGINEER [REDACTED] 25X1A9a		
PROJECT TITLE Electronic Motor Stop					
PROJECT REQUIREMENT Provide semi-automatic motor control, responsive to the reception of a forty-five second steady state signal for stopping the motors. The combined opening and closing of the signal line shall place the motors in operation.					
PROJECT DESCRIPTION Modify the Electronic Motor Stop drawing WE-20 so that it is also receptive to a steady state open circuit. A schematic drawing will be submitted to an outside contractor for a cost estimate on 30 units. Twelve units will go as per requisition #137-035-57. The balance of units will be placed in warehouse stock. 25X1A					
APPROVAL DATE 13 January 1957	APPROVED WAB /s/ JJK /s/		STARTING DATE 21 January 1957	COMPLETION DATE	

No action taken during this period pending resolution of budgetary problems mentioned in last month's report. This project will be suspended until these problems are resolved.

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MONTHLY PROJECT REPORT

ORIGINATOR(S) [REDACTED] OC-O&T	BUDGET EST. FY. AMOUNT	REPORTING PERIOD 1 - 28 February 1958
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☐ FUTURE ☒ ACTIVE ☐ COMPLETED ☐ CANCELLED ☐ SUSPENDED

PROJECT NUMBER E-5089	PRIORITY CLASS I	PRIM RSPN. EES	PROJECT ENGINEER [REDACTED] 25X1A9a
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PROJECT TITLE
Selective Calling Systems

PROJECT REQUIREMENT
To determine what type, if any, selective calling system can be adapted for use in our overseas installations in order that stations may be alerted during unattended watch periods of emergency situations.

PROJECT DESCRIPTION
To investigate and compile a listing of all types of selective calling systems with such information as purpose, operational, technical and physical characteristics, and cost.

To select by operational and technical evaluations, if necessary, and recommend one of these systems be adopted.

If approved, to implement procurement and installation.

APPROVAL DATE December 1956	APPROVED <u>WAB /s/</u> <u>JJK /s/</u>	STARTING DATE January 1957	COMPLETION DATE
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We have not yet received a sample of a coder and decoder model from [REDACTED] for testing and evaluation. During this month the OC-E Liaison Officer has formally requested [REDACTED] supply us a system on a loan basis.

The Operations and Training Division has requested that we procure three each coders and decoders [REDACTED] for use at [REDACTED] and [REDACTED]. The manufacturers' local representative delivered a proposal to us and at this time a procurement/shipping order is being drafted for the quantities requested [REDACTED].

To expedite delivery of these units to the field, especially with regard to the length of time elapsed between the original request and expected delivery time, inspection will be performed at the factory and the units will be export packaged and sent directly to the West Coast for shipment [REDACTED].

MONTHLY PROJECT REPORT			
ORIGINATOR(S) CSD 6-352		BUDGET EST. FY. AMOUNT	REPORTING PERIOD 1 - 28 February 1958
<input type="checkbox"/> FUTURE <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED <input type="checkbox"/> SUSPENDED			
PROJECT NUMBER E-5092	PRIORITY CLASS I	PRIM. RSPN. EES	PROJECT ENGINEER [REDACTED] 25X1A9a
PROJECT TITLE Fabrication of Tiny-Tots, Associated Components, and Modification Kits			
PROJECT REQUIREMENT Make 162 Tiny-Tots as required by Commo. Security Division.			
PROJECT DESCRIPTION 162 XD-91 Duplex Transmitter-Distributors will be modified for Tiny-Tot operation by complete rewiring and addition of components. A kit containing the required parts to modify the Model-19 and the Model-14 for Tiny-Tot operation will be assembled. Components to complete 270 keyboard modification kits will be fabricated. This quantity will fulfill the requirements for modification of keyboards on existing Tiny-Tot units and the 172 new units. The modification of the XD-19 will be performed by a local contractor as well as the fabrication of all the required components.			
APPROVAL DATE 21 February 1957	APPROVED /WAB/ /JJK/	STARTING DATE 25 February 1957	COMPLETION DATE
25X1A5a1 We have been advised by [REDACTED] that the first of 36 Tiny 25X1A5a1 Tots being manufactured under Contract P8-389 is expected to be completed during the first week of March. It is planned that Mr. [REDACTED] visit 25X1A9a [REDACTED] at that time to inspect the unit and establish testing procedures for the remaining units. The delivery schedule for the 36 complete units and 12 Tiny Tot transmitter-distributors remains as previously stated.			

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PROJECT NUMBER E-5093	PRIORITY CLASS I	PRIM. RSPN. EES	PROJECT ENGINEER [REDACTED] 25X1A9a
PROJECT TITLE Study of Television Interference Produced by Some Commo. Transmitters			
PROJECT REQUIREMENT A study of some Agency transmitting equipment is needed to determine the extent of television interference radiated from this equipment.			
PROJECT DESCRIPTION Determine what are acceptable standards in commercial and amateur practice insofar as harmonic radiation related to television interference is concerned. Cause the types of equipment normally used by the Office of Communications to be subjected to tests to see if they meet the above specifications. This would include the RT-1, RT-1B, URT-11, HT-4, and RT-4. If any of this equipment fails to meet the acceptable standards, determine what can be done to bring it within specifications. Recommend a course of action to be taken.			
APPROVAL DATE 20 February 1957	APPROVED /WAB/ /JJK/	STARTING DATE 21 February 1957	COMPLETION DATE
25X1A5a1 The contractor, [REDACTED], has completed checking the calibration on all the test instruments. Further, he has completed the spurious radiation measurements on all transmitters up to 400 megacycles. Between 400 and 1000 megacycles, spurious radiation measurements have been completed on the URT-11 and the RT-1B. The RT-1B and RT-1 have had the conducted interference test completed and the URT-11 is approximately 50% finished. Case Radiation measurements have not yet begun due to screen-room scheduling. Briefly, the conducted radiation tests indicated that when using a PMO as the excitation source, the fundamental frequency radiated is quite strong. The spurious tests indicated values of 80 db. below carrier level on the transmitters tested. 16 March 1958 is the contract completion date and the project engineer was informally advised that the contractor is about to request an extension of this date to 5 May 1958.			

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ORIGINATOR(S) OC-E		BUDGET EST. FY. AMOUNT	REPORTING PERIOD 1 - 28 February 1958
<input type="checkbox"/> FUTURE <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED <input type="checkbox"/> SUSPENDED			
PROJECT NUMBER E-5103	PRIORITY CLASS I	PRIM. RSPN. EES	PROJECT ENGINEER [REDACTED]
PROJECT TITLE Multiplex System for Base Station to Sub-Base Stations Communications			
PROJECT REQUIREMENT To provide a system of communications for base to sub-base operation to meet expanding communication commitments without extensive plant expansion.			
PROJECT DESCRIPTION Investigate and compile a report on the practicability of utilizing multiplex equipment on staff circuits, formulate systems where utilization is practical and make comparison costs with systems currently in use where expansion is contemplated or in areas where expanding communication commitments to staff circuits could justify multiplex communications.			
APPROVAL DATE May 1957	APPROVE [REDACTED]	STARTING DATE May 1957	COMPLETION DATE
<p>A memorandum was written to O&T's American Activities Branch and Support Branch on the testing and evaluation of this system. AAB was requested to make equipment and space available [REDACTED] and SB was requested to obtain propagation curves and authorization for the use of appropriate frequencies.</p>			

25X1A9a

25X1A9a

25X1A6a

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MONTHLY PROJECT REPORT			
ORIGINATOR(S) OC-E		BUDGET EST. FY. AMOUNT	REPORTING PERIOD 1 - 28 February 1958
<input type="checkbox"/> FUTURE <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED <input type="checkbox"/> SUSPENDED			
PROJECT NUMBER E-5104	PRIORITY CLASS I	PRIM. RSPN. EES	PROJECT ENGINEER [REDACTED] 25X1A9a
PROJECT TITLE Sleeve Type Antenna Kit for 7-21 Mcs.			
PROJECT REQUIREMENT To provide a sleeve type antenna kit in a compact packaged form which can be easily erected by two men in a short time.			
PROJECT DESCRIPTION To make a preliminary study of possible ways to construct this type antenna and then to write specifications and make suggested type construction drawings which can be used for having these made by a commercial firm under a contract.			
APPROVAL DATE July 1957	APPROVED /AJW/ /SS/	STARTING DATE July 1957	COMPLETION DATE
25X1A5a1 As mentioned in last month's report we are still investigating the 25X1A6a [REDACTED] Inquiries were directed to the [REDACTED] for further 25X1A5a1 information, but a meeting was delayed because the [REDACTED] representative was not available during this reporting period.			

MONTHLY PROJECT REPORT			
ORIGINATOR(S) OC-E	BUDGET EST. FY. 58 AMOUNT \$5,000	REPORTING PERIOD 1 - 28 February 1958	
<input type="checkbox"/> FUTURE	<input checked="" type="checkbox"/> ACTIVE	<input type="checkbox"/> COMPLETED	<input type="checkbox"/> CANCELLED <input type="checkbox"/> SUSPENDED
PROJECT NUMBER E-5105	PRIORITY CLASS I	PRIM. RSPN. EES	PROJECT ENGINEER [REDACTED] 25X1A9a
PROJECT TITLE HT-4 Exciter Modification			
PROJECT REQUIREMENT <p>Some of the HT-4 transmitters do not have sufficient output from the exciter between 18 and 30 megacycles to drive the power amplifier to full output.</p>			
PROJECT DESCRIPTION <p>The exciter circuitry will be investigated to find methods of increasing its output in the 18 to 30 megacycle range. Any changes necessary will be kept as simple as possible. An outside consulting firm may be called in on this problem if additional help is needed. When the exciter drive is increased to the proper level, modification kits will be made up to be used in conjunction with Modification Work Order #7 (Revised).</p>			
APPROVAL DATE August 1957	APPROVED AJW JJK	STARTING DATE August 1957	COMPLETION DATE
<p>25X1A5a1</p> <p>Mr. [REDACTED] has stated he will have a modified tuning unit (TU-5b, 24 to 30 mcs.) ready by 27 February 1958 for our evaluation.</p> <p>It has not as yet been decided whether a modification of the transmitter will be required.</p>			

MONTHLY PROJECT REPORT			
ORIGINATOR(S) OC-E		BUDGET EST. FY. 58 AMOUNT \$10,000	REPORTING PERIOD 1 - 28 February 1958
<input type="checkbox"/> FUTURE <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED <input type="checkbox"/> SUSPENDED			
PROJECT NUMBER E-5106	PRIORITY CLASS I	PRIM. RSPN. EES	PROJECT ENGINEER [REDACTED] 25X1A9a
PROJECT TITLE Mechanical Transmitter Interlock Switches			
PROJECT REQUIREMENT To increase the safety features of the 16-F and 231-D type transmitters by providing a mechanically actuated switch that will ground the high voltage when the doors of these transmitters are opened.			
PROJECT DESCRIPTION <p>Determine the type and quantity of switches for each type of transmitter. Have an outside consulting firm investigate the circuitry and construction of the 16-F and 231-D type transmitters for the best possible arrangement of wiring and placement of the switches.</p> <p>This firm will also purchase the switches and other hardware to make an amount of kits, complete with installation instructions.</p> <p>Secure authorization to make installation of these switches mandatory.</p>			
APPROVAL DATE 25X1A9a August 1957	APPROVED [REDACTED]	STARTING DATE August 1957	COMPLETION DATE
<p>This project is reactivated.</p> <p>On 3 February, a trip was made to the contractor's plant to inspect the work accomplished on this project. This trip report is attached.</p> <p>On 21 - 22 February a prototype shorting switch modification was installed in a 231-D-20 transmitter [REDACTED] and when tested performed very satisfactorily. It was found that the estimate of 40 man-hours to install one kit in a 231-D-20 transmitter as reported in the above-mentioned trip report was in error. A figure of approximately 20 man-hours would be more realistic.</p> <p>The prototype shorting switch modification kit for use in the 16-F-14 transmitter will be ready for installation about 7 March 1958.</p> <p>A charge was made in the contractor's original proposal to include the cost of disassembly and packaging of the GFE 16-F transmitter for shipment from the contractor's plant to the Agency warehouse. At this time it is planned to return this transmitter to stock as there are no foreseeable Commo.-sponsored experiments to be performed on this transmitter at the present location.</p> <p>At this time, a complete listing of Commo. transmitters is being compiled to inform us of the amount of transmitter modification kits required.</p>			

MEMORANDUM TO THE FILE

25X1A9a FROM: [REDACTED]

3 February 1958

SUBJECT: Report of Trip. [REDACTED],
Concerning Project E-5106 (Safety Switches)

25X1A5a1

25X1A9a

25X1A9a

25X1A5a1

1. On 3 February 1958, Messrs. [REDACTED], OC-O&T and [REDACTED], OC-E, visited the [REDACTED] plant to inspect the work to date on the subject project.

25X1A5a1

2. We were met by Mr. [REDACTED] Staff who demonstrated a prototype modification installed in a 231-D transmitter located at their plant. Briefly described, the modification consists of plunger-type disc-switches similar to the type used on AN/FRT-5 transmitters, mounted on each of the six doors and are mechanically actuated when the door is open, plus eight warning lights and interrupter for some and the connecting wiring harness to all these items. The purpose of this modification is to ground any exposed voltage over 300 volts when any door is opened. Also, provision was to be made not to disrupt the existing feature of allowing the RF Bay Door to be opened with exciter voltage applied in order to align the exciter stage. Also, when this situation is present, the warning lights should flash to inform the operator of such and existence of voltage. The prototype was demonstrated and it performed as planned. One addition to increase the safety of the operating personnel was the addition of a cover over the primary lugs on the main power transformer which carries 220 VAC, the reason being that these lugs are very accessible when the rear middle door is opened. This cover will be incorporated on all subsequent modification kits.

3. Each switch has five contacts which ground the voltage present before and after the rectifier section of the high voltage power supply. Only the rectified DC from the low voltage (600v) supply is grounded. The same theory and switches will be used in the 16-F transmitters. Since the HT-4 transmitter, even though OC has many, is considered limited standard, no attempt will be made at this time to incorporate any safety devices on it.

4. Whenever the existing interlock is "cheated" and any doors are opened when in the TUNE position, and also when the ADJUST position is used when aligning the exciter, warning lights in all bays flash. In case one lamp burns out without the operator knowing it, two lamps per bay are used.

5. It is estimated that it will take approximately 40 man hours to install this modification. However, at any time during installation, work on the installation can be stopped and the transmitter used. Also, this installation will in no way affect the operation of the transmitter and will not detract from or obviate the existing interlock safety, but rather will supplement it.

(Continued)

25X1A5a1SUBJECT: Report of Trip to [REDACTED] - 3 February 1958
PAGE 2

25X1A5a1 6. Mr. [REDACTED] estimated that it will be three weeks before an engineering
model will be made up. It is planned, subject to approval [REDACTED] to install
25X1A6a this model in a 231-D transmitter [REDACTED] to check on the accuracy of the
instruction manual and installation ease, plus operational reliability after being
installed. The prototype cable and hardware is presently being made for install-
ation in the 16-F transmitter and is destined for the same as above.

7. If this first model proves satisfactory to all concerned, it is planned
to request bids from contractors, including our own facilities, for a sufficient
quantity to equip all of our 231-D and 16-F transmitters.

[REDACTED]
25X1A9a

Distribution:

- Orig. & 1 - EES File
- 2 - Monthly Report
- 1 - OC-O&T/Support Branch
- 1 - SEB
- 1 - R&D

Origination:

OC-E/SEB/EES, [REDACTED]:mlb/8041

25X1A9a

MONTHLY PROJECT REPORT			
ORIGINATOR(S) OC-E/SEB/SDS		BUDGET EST. FY. AMOUNT	
REPORTING PERIOD 1 - 28 February 1958			
<input type="checkbox"/> FUTURE <input type="checkbox"/> ACTIVE <input checked="" type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED <input type="checkbox"/> SUSPENDED			
PROJECT NUMBER E-5107	PRIORITY CLASS I	PRIM. RSPN. SDS	PROJECT ENGINEER [REDACTED] 25X1A9a
PROJECT TITLE Standardization of Antenna and Transmission Line Construction Drawings and Materials			
PROJECT REQUIREMENT To compile a complete set of construction drawings and bills of materials for commonly used antennas and transmission lines.			
PROJECT DESCRIPTION Transmission line drawings and bills of materials will be shown on 8-1/2" x 11" sheets, and antenna drawings and bills of materials will be shown on larger sheets. This material will be bound in booklet form and dispatched to each overseas area when completed, and originals will be filed at Headquarters.			
APPROVAL DATE August 1957	APPROVED ATH /s/_____ SS /s/_____	STARTING DATE August 1957	COMPLETION DATE February 1958
A Technical Bulletin comprising this material is now being reproduced and will soon be issued by FES. This project is now completed and will not be reported in the future.			

MONTHLY PROJECT REPORT				
ORIGINATOR(S) OC-O&T		BUDGET EST. FY. AMOUNT		REPORTING PERIOD 1 - 28 February 1958
<input type="checkbox"/> FUTURE <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED <input type="checkbox"/> SUSPENDED				
PROJECT NUMBER E-5112	PRIORITY CLASS I	PRIM. RSPN. SDS	PROJECT ENGINEER [REDACTED] 25X1A9a	
PROJECT TITLE				
25X1A6a [REDACTED] Base Radio Station (Base I)				
PROJECT REQUIREMENT To design a Base Radio Station to be built [REDACTED] in support of the [REDACTED] Radio Base Program. The station will duplicate the facilities of [REDACTED] which is to be moved from [REDACTED] for use as a base station while the new station is being constructed. 25X1A6a 25X1A6a 25X1A6a				
PROJECT DESCRIPTION				
This project will be divided into two phases. Phase One will be to determine the size of the areas needed & the type and style of buildings; to formulate the logistics support requirements; to determine a suggested antenna layout. Since the base is to be built [REDACTED] building drawings to reduce A&E costs. 25X1C4a				
Discussions will be held with representatives [REDACTED] to outline our requirements so that they may suggest bases where these requirements can best be met. Phase Two will consist of more detailed planning based on the outcome of these discussions. 25X1C4a				
APPROVAL DATE September 1957	APPROVED [REDACTED]	STARTING DATE September 1957	COMPLETION DATE	
25X1A9a A conference was held with [REDACTED] KE; [REDACTED] OC-O&T; and OC-E representatives to discuss cover and funding details which must be determined before contact can be made [REDACTED] 25X1A9a 25X1C4a				

MONTHLY PROJECT REPORT

ORIGINATOR(S) C-R	BUDGET EST. FY. AMOUNT	REPORTING PERIOD 1 - 28 February 1958	
<input type="checkbox"/> FUTURE	<input checked="" type="checkbox"/> ACTIVE	<input type="checkbox"/> COMPLETED	<input type="checkbox"/> CANCELLED
PROJECT NUMBER E-5113	PRIORITY CLASS I	PRIM. RSPN. SSS	PROJECT ENGINEER [REDACTED] 25X1A9a
PROJECT TITLE Thermocouples and Meters as used in the TAC-1 Antenna Tuner			
PROJECT REQUIREMENT To provide a modification and/or operating information which will preclude damaging the thermocouples and meters.			
PROJECT DESCRIPTION Determine what is causing the thermocouples and meters to burn out. Provide the proper modification or instructions to prevent damaging these parts.			
APPROVAL DATE September 1957	APPROVE [REDACTED]	STARTING DATE September 1957	COMPLETION DATE

This project is reactivated.

A contractor [REDACTED] has been requested to submit a cost breakdown of engineering and production of 300 shunts. We have this proposal on hand and have requested the External Projects Section/R&D to notify the contractor of acceptance of his proposal. The price of 300 shunts, enough to equip 150 TAC-1 Antenna Tuners, including engineering investigation, is \$265. It is planned to have the shunt by-pass one-half of the current allowing the meter to read double the present value without damage.

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MONTHLY PROJECT REPORT

ORIGINATOR(S) OC-E		BUDGET EST. FY. 58 AMOUNT \$500	REPORTING PERIOD 1 - 28 February 1958	
<input type="checkbox"/> FUTURE <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED <input type="checkbox"/> SUSPENDED				
PROJECT NUMBER E-5115	PRIORITY CLASS I	PRIM. RSPN. EES	PROJECT ENGINEER [REDACTED] 25X1A9a	
PROJECT TITLE Standardization of VHF Mobile/AC Utility Transmitter-Receiver in the Range of 144 to 174 Megacycles				
PROJECT REQUIREMENT TSS and Communication requirements necessitates the selection for standardization of a 25 watt mobile VHF Transmitter-Receiver of the highest efficiency and most flexibility.				
PROJECT DESCRIPTION To determine by evaluation and comparison the best of a number of commercially available mobile/AC utility units. A suitable unit will be selected and recommended for standardization.				
APPROVAL DATE September 1957	APPROVED /AJV/ /JJK/	STARTING DATE September 1957	COMPLETION DATE	

No work was accomplished on this project because of higher priority work.

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MONTHLY PROJECT REPORT			
ORIGINATOR(S) OC-SP		BUDGET EST. FY. AMOUNT	REPORTING PERIOD 1 - 28 February 1958
<input type="checkbox"/> FUTURE <input type="checkbox"/> ACTIVE <input type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED <input checked="" type="checkbox"/> SUSPENDED			
PROJECT NUMBER E-5116	PRIORITY CLASS I	PRIM. RSPN. SDS	PROJECT ENGINEER [REDACTED] 25X1A9a
PROJECT TITLE [REDACTED] 25X1A2g			
PROJECT REQUIREMENT [REDACTED] To design a five position monitoring station to be installed [REDACTED] 25X1A6a [REDACTED] in support of Project [REDACTED] 25X1A2g			
PROJECT DESCRIPTION Prepare a cost estimate, bill of materials, and associated installation drawings for a five position monitoring station. The complete monitoring facility will include four receiving positions each containing three receivers, one tape recorder, and antenna switching and a fifth position containing two receivers, two reperforators, two page printers, two demodulators, two rekeyers, and antenna switching. These five positions will be located in a room 20' by 30'.			
APPROVAL DATE November 1957	APPROVED [REDACTED]	STARTING DATE November 1957	COMPLETION DATE
This project will be suspended until additional engineering support is required.			

MONTHLY PROJECT REPORT			
ORIGINATOR(S) NEA, OC-P		BUDGET EST. FY. AMOUNT	REPORTING PERIOD 1 - 28 February 1958
<input type="checkbox"/> FUTURE <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED <input type="checkbox"/> SUSPENDED			
PROJECT NUMBER E-5118	PRIORITY CLASS I	PRIM. RSPN. SDS	PROJECT ENGINEER [REDACTED] 25X1A9a
PROJECT TITLE Communication Plans [REDACTED] 25X1C8a Organization) [REDACTED]			
PROJECT REQUIREMENT Design a communications net work [REDACTED] comprised of one 10 position CW Station and thirty two 1 position CW Stations 25X1C8a			
PROJECT DESCRIPTION Prepare bills of materials, cost estimates, functional block diagrams, suggested equipment and antenna layout drawings and a pictorial diagram of a typical one man CW operating position and 10 position CW Station.			
APPROVAL DATE January 1958	APPROVED [REDACTED]	STARTING DATE January 1958	COMPLETION DATE
The drawings, diagrams, bill of materials and cost estimate have been completed. The final report has been transmitted to Chief, NEA.			

MONTHLY PROJECT REPORT

ORIGINATOR(S) OC 58-035		BUDGET EST. FY. AMOUNT		REPORTING PERIOD 1 - 28 February 1958	
<input type="checkbox"/> FUTURE		<input checked="" type="checkbox"/> ACTIVE		<input type="checkbox"/> COMPLETED	
<input type="checkbox"/> CANCELLED		<input type="checkbox"/> SUSPENDED			
PROJECT NUMBER E-5119		PRIORITY CLASS I		PRIM. RSPN. SDS	
PROJECT ENGINEER [REDACTED]				25X1A9a	
PROJECT TITLE Commercial Power Installation [REDACTED]					
PROJECT REQUIREMENT To determine the most economical means of effectively increasing the power capacity at the transmitter and receiver site.					
PROJECT DESCRIPTION Additional power is required at the transmitter and receiver sites. This requirement can be met by either additional generators or the installation of commercial power. [REDACTED] study of the problem will be reviewed and a decision will be made as to which method is preferable.					
APPROVAL DATE January 1958		APPROVED [REDACTED]		COMPLETION DATE January 1958	
An engineering study of the proposed power installation will be initiated as soon as a copy of [REDACTED] power study is received.					

MONTHLY PROJECT REPORT				
ORIGINATOR(S) OC-E		BUDGET EST. FY. AMOUNT		REPORTING PERIOD 1 - 28 February 1958
<input type="checkbox"/> FUTURE <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED <input type="checkbox"/> SUSPENDED				
PROJECT NUMBER E-5120	PRIORITY CLASS I	PRIM. RSPN. EES	PROJECT ENGINEER [REDACTED] 25X1A9a	
PROJECT TITLE Review of Present Converter Field				
PROJECT REQUIREMENT Review what is currently on the market to determine if there is an economically suitable replacement for the Northern 107 Model 2 Frequency Shift Converter.				
PROJECT DESCRIPTION Prepare a comparison chart of all Frequency Shift Converters currently being produced, such as the Hoffman CV-60, TMC CFA, Collins 706A-2, Northern 107 and 174, etc., to determine which is the most suitable unit to meet our requirements.				
APPROVAL DATE January 1958	APPROVED [REDACTED]	STARTING DATE February 1958	COMPLETION DATE	
25X1A9a We are in the process of compiling a list of all converters available commercially. Mr. [REDACTED] is checking with the military on what equipment they use.				

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MONTHLY PROJECT REPORT				
ORIGINATOR(S) 25X1A [REDACTED] 56-2716, CPL 7-006		BUDGET EST. FY. AMOUNT		REPORTING PERIOD 1 - 28 February 1958
<input type="checkbox"/> FUTURE <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED <input type="checkbox"/> SUSPENDED				
PROJECT NUMBER E-5344	PRIORITY CLASS I	PRIM. RSPN. SDS	PROJECT ENGINEER [REDACTED] 25X1A9a	
PROJECT TITLE 25X1A6a New Receiver Facility [REDACTED]				
PROJECT REQUIREMENT To construct a new permanent type radio receiving facility. Present receiving facilities are inadequate due to interference from transmitters located in close proximity and high electrical noise in the area.				
PROJECT DESCRIPTION This project will be divided into two phases. Phase I will consist of designing and coordinating the layout of the receiver station with the Real Estate and Construction Division, Office of Logistics and appropriate Office of Communications divisions. Phase II will consist of monitoring construction of the new installation				
APPROVAL DATE April 1957	APPROVED WAB /s/ JJK /s/	STARTING DATE April 1957	COMPLETION DATE	
No progress reports have been received during this period.				

~~CONFIDENTIAL~~ (NOFORN)

25X1A

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Approved For Release 2001/04/23 : CIA-RDP78-02820A000300050019-3

~~CONFIDENTIAL~~

(NO FORM)

MONTHLY PROJECT REPORT

ORIGINATOR(S) OC-O+T		BUDGET EST. FY. AMOUNT		REPORTING PERIOD 1 - 28 February 1958	
<input type="checkbox"/> FUTURE	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> COMPLETED	<input type="checkbox"/> CANCELLED	<input checked="" type="checkbox"/> SUSPENDED	
PROJECT NUMBER E-5412	PRIORITY CLASS I	PRIM. RSPN. SDS	PROJECT ENGINEER [REDACTED] 25X1A9a		
PROJECT TITLE One Man Radio Station					
PROJECT REQUIREMENT Design a complete one man radio station to be used as a standard for the planning of all new one man stations or when renovating existing stations.					
PROJECT DESCRIPTION This project was originally started in September 1956 to prepare a bill of materials and associated drawings to cover the installation of a one man radio station in [REDACTED]. It has been expanded to cover the installation and renovation of all one man stations. Using the one man station design as a guide, a complete bill of materials, associated drawings and installation specifications will be prepared according to the requirements of each particular station.					
APPROVAL DATE September 1956	APPROVED AJW /s/ JJK /s/	STARTING DATE September 1956	COMPLETION DATE		

This project has been inactive during the reporting period. Until further engineering support is required the project will be suspended.

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